TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT (Under 37 CFR 1.97(b) or 1.97(c))	Docket No. RLL-267US

In Re Application Of: **MEHTA et al.**

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/525,439		unknonwn	26815	unknown	3824

Title: **FLUORO AND SULPHONYLAMINO CONTAINING 3,6-DISUBSTITUTED AZABICYCLO [3.1.0.] HEXANE DERIVATIVES AS MUSCARINIC RECEPTOR ANTAGONISTS**

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

37 CFR 1.97(b)

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. ☐ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

   ☐ the statement specified in 37 CFR 1.97(e);

   OR

   ☐ the fee set forth in 37 CFR 1.17(p).

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Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

☐ A check in the amount of is attached.

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1 August 2005
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Dated: **1 August 2005**

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INFORMATION DISCLOSURE CITATION	Docket No.: RLL-267US	Serial No.: 10/525,439
	Applicants: MEHTA *et al.*	
	Filed: 2/23/2005	Group:

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A1	3,176,019	3/30/1965	Campbell *et al.*	260	293.4	
	A2	5,281,601	1/25/1994	Cross *et al.*	514	320	
	A3	5,397,800	3/14/1995	Alker *et al.*	514	413	
	A4	5,735,690	4/7/1998	Malentacca	433	102	
	A5	5,948,792	9/7/1999	Tsuchiya *et al.*	514	317	
	A6	6,130,232	10/10/2000	Mase *et al.*	514	318	
	A7	6,174,900	1/16/2001	Okada *et al.*	514	317	

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES | NO
	B1	EP 0 325 571	7/26/1989	EPO	C07C	215/54	|
	B2	EP 0 388 054	9/19/1990	EPO	C07D	207/08	|
	B3	EP 0 413 455	2/20/1991	EPO	C07D	401/04	|
	B4	EP 0 801 067	10/15/1997	EPO	C07D	453/02	|
	B5	GB 940,540	10/30/1963	UK	C07C		|
	B6	JP 135989/1994	5/17/1995	Japan	C07D	333/16	|
	B7	JP 92921/1994	4/5/1994	Japan	C07C	237/20	|
	B8	WO 91/09013	6/27/1991	PCT	C07D	207/08	|
	B9	WO 93/16018	8/19/1993	PCT	C05F	17/02	|
	B10	WO 93/16048	8/19/1993	PCT	C07D	211/26	|
	B11	WO 95/15312	6/8/1995	PCT	C07D	209/52	|
	B12	WO 95/15327	6/8/1995	PCT	C07D	487/04	|
	B13	WO 96/33973	10/31/1996	PCT	C07D	211/46	|
	B14	WO 97/36906	10/9/1997	PCT	C07D	487/08	|

EXAMINER	DATE CONSIDERED

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	B15	WO 97/45414	12/4/1997	PCT	C07D	211/58		
	B16	WO 98/05641	2/12/1998	PCT	C07D	211/46		
	B17	WO 98/29402	7/9/1998	PCT	C07D	311/20		

OTHER DOCUMENTS (*Including Author, Title, Date, Pertinent Pages, Etc.*)

	C1	Kubo et al., "Cloning, sequencing and expression of complementary DNA encoding the muscarinic acetylcholine receptor", *Nature,* 323(2):411-416 (1986)
	C2	Bonner et al., "Identification of a Family of Muscarinic Acetylcholine Receptor Genes", *Science,* 237:527-531 (1987)
	C3	Eglen et al., "Muscarinic receptor ligands and their therapeutic potential", *Current Opinion in Chemical Biology,* 3:426-432 (1999)
	C4	Eglen et al., "Therapeutic opportunities from muscarinic receptor research", *Trends in Pharmacological Sciences,* 22(8):409-414 (2001)
	C5	Felder et al., "Therapeutic Opportunities for Muscarinic Receptors in the Central Nervous System", *Journal of Medicinal Chemistry,* 43(23):4333-4353 (2000)
	C6	Broadley and Kelly, "Muscarinic Receptor Agonists and Antagonists", *Molecules,* 6:142-193 (2001)
	C7	Birdsall et al., "Muscarinic receptors: it's a knockout", *Trends in Pharmacological Sciences,* 22(5):215-219 (2001)
	C8	de Groat and Yoshimura, "Pharmacology of the Lower Urinary Tract", *Annual Review of Pharmacology and Toxicology,* 41:691-721 (2001)
	C9	Steers, "The future direction of neuro-urology drug research", *Current Opinion in CPNS Investigational Drugs,* 2(3):268-282
	C10	Chapple, "Muscarinic receptor antagonists in the treatment of overactive bladder", *Urology,* 55(Suppl. 5A):33-46 (2000)
	C11	Steers, Barrot, Wein, "Voiding dysfunction: diagnosis classification and management", In: *Adult and Pediatric Urology,* ed. Gillenwater, Grayhack, Howards, Duckett. Mosby, St. Louis, MO; 1220-1325, 3rd edition (1996)
	C12	Sagara et al, "Cyclohexylmethylpiperidinyltriphenylpropioamide: A Selective Muscarinic M_3 Antagonist Discriminating against the Other Receptor Subtypes", *Journal of Medicinal Chemistry,* 45(4):984-987 (2002)
	C13	Mase et al., "Synthesis of a Muscarinic Receptor Antagonist via a Diastereoselective Michael Reaction, Selective Deoxyfluorination and Aromatic Metal-Halogen Exchange Reaction", *Journal of Organic Chemistry,* 66(20):6775-6786 (2001)
	C14	Mitsuya et al., "Discovery of a Muscarinic M_3 Receptor Antagonist with High Selectivity for M_3 Over M_2 Receptors Among 2-[(1*S*,3*S*)-3-Sulfonylaminocyclopentyl]phenylacetamide Derivatives" *Bioorganic & Medicinal Chemistry,* 8:825-832 (2000)

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	Applicants: MEHTA *et al.*	
	Filed: 2/23/2005	Group:

	C15	Grover et al., "Chiral Mandelic Acid Template Provides a Highly Practical Solution for (S)-Oxybutynin Synthesis", *Journal of Organic Chemistry*, 65:6283-6287 (2000)
	C16	Moriya et al., "Affinity Profiles of Various Muscarinic Antagonists for Cloned Human Muscarinic Acetylcholine Receptor (mAChR) Subtypes and mAChRs in Rat Heart and Submandibular Gland", *Life Sciences*, 64(25):2351-2358 (1999)
	C17	Cheng and Prusoff, "Relationship between the inhibition constant (*K1*) and the concentration of inhibitor which causes 50 per cent inhibition (*I50*) of an enzymatic reaction", *Biochemical Pharmacology*, 22:3099-3108 (1973)
	C18	Jeppesen et al., "1-(1,2,5-Thiadiazol-4-yl)-4-azatricyclo[2.2.1.$0^{2,6}$]heptanes as New Potent Muscarinic M_1 Agonists: Structure-Activity Relationship for 3-Aryl-2-propyn-1-yloxy and 3-Aryl-2-propyn-1-ylthio Derivatives", *Journal of Medicinal Chemistry*, 42(11):1999-2006 (1999)

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